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I claim:

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- 1. A combination of roofing layers comprising:
- a hardened foam roofing panel having a first block of 5 polyurethane foam with a top surface, a bottom surface, and at least one indented periphery;

said top surface having an integral layer of fabric bonded to said block:

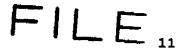
at least one base layer; and

said bottom surface of said first block being in contact with said at least one base layer.

- 2. A combination of roofing layers as in Claim 1, wherein said at least one base layer comprises at least one fireproofing layer.
- 3. A combination of roofing layers as in Claim 2, wherein said at least one fireproofing layer comprises a gypsum core.
- 20 4. A combination of roofing layers as in Claim 1, wherein said at least one base layer comprises:
 - a first foam layer having a second top surface and an opposing second bottom surface contacting a roof surface;
 - a core layer having a third top surface and opposing third bottom surface being in communication with said second top surface of said first foam layer; and

said third top surface contacting said bottom surface of said of said first block of polyurethane foam.

- 30 5. A combination of roofing layers as in Claim 1, wherein said at least one base layer comprises a plurality of core panels, each said panel having an edge perimeter.
 - 6. A combination of roofing layers as in Claim 5, wherein at





least a portion of said perimeter of each said panel rigidly contacts a perimeter of a second said panel.

- 7. A combination of roofing layers as in Claim 5, wherein said perimeter of each said core panel is separated by a distance, said distance defining a gap portion.
 - 8. A combination of roofing layers as in Claim 5, wherein said first block of polyurethane foam extends downward into said gap portion of said base layer.
 - 12. A method of forming a layered roofing system comprising the steps of:

applying a core layer;

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- applying an integral foam layer; and
 - applying a reinforcing mesh, a portion of said foam layer penetrating upward through said reinforcing layer.
 - 13. A method of installing fire resistant roofing tiles comprising:
 - a) spraying a foam rising adhesive on a surface;
 - b) waiting for said foam rising adhesive to obtain a creamy consistency;
 - c) applying a first tile panel and an adjacent first subsequent tile panel to said surface; each said tile panel having a respective fire resistant layer adhered thereto;
 - d) waiting for said adhesive to cure and rise within a joint formed between said first tile panel and said first subsequent tile panel;
- e) applying further tile panel and subsequent further tile
 panel to said surface;
 - f) waiting for said adhesive to cure and rise within further joints formed between said first subsequent tile and said further tile panel;

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- g) repeating steps "c", "d" and "e" and "f" on next subsequent pairs of tile panels until said foam adhesive completes rising between said joints and accumulates as debris above a plane formed by said tile panels accumulated in a seamless configuration;
 - h) removing debris formed by said foam rising adhesive from the top surface of said tile panels; and,
 - i) applying an elastomeric coat to the top surface of said joined, seamless accumulation of tile panels.
 - 14. A method of installing roofing tiles according to claim 13, wherein said elastomer is an acrylic.
- 15. A method of installing roofing tiles according to claim
 15. 1, wherein said elastomer is a urethane.
 - 16. A method of installing roofing tiles according to claim
 13. wherein said elastomer is silicone based.
- 20 17. A method of installing roofing tile panels according to claim 14, wherein application of said first and said subsequent tile panels further comprises:

applying said first tile panel having a first length; and applying said second tile panel having a second length,
wherein said second length of said second tile panel is different than said first length of said first tile panel.

18. A fire-resistant, crush resistant and puncture resistant seamless waterproof roofing system comprising a plurality of adjacent cured foam panels attached to a roofing by a foaming adhesive bonding said panels to a substrate of said roof, each said panel having a respective fire resistant layer adhered thereto;

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said adhesive rising between said panels, sealing said panels to each other by expansion through loose inter-panel joints between said panels,

said panels having an on-site coat of elastomeric sealing 5 material thereon, said coat of elastomeric sealing material covering a fabric layer above each of said panels.

- 19. The roofing system as in claim 18 wherein said panels are polyurethane.
- 20. The roofing system as in claim 18 wherein said sealing material is a silicone.
- 21. The roofing system as in claim 19 wherein said

 15 polyurethane is a dense polyurethane foam having a strength of at least three pounds per cubic foot.
 - 22. The roofing system as in claim 18 wherein said fabric is an integral top layer of non-woven 250 gram polyester fabric saturated by said foam.
 - 23. The roofing system as in claim 18 wherein adjacent panels have tongue-in-groove edges fitting into adjacent tongue and groove edges of adjacent panels.
 - 24. The roofing system as in claim 19 wherein said adhesive is low rise foam polyurethane adhesive, said adhesive seeping through loose tongue-in groove joints.
- 25. The roofing system as in claim 19 wherein said foaming adhesive used to both bond the said panels to a substrate and to rise between said panels, seals said panels to each other through loose inter-panel joints accommodating said risen adhesive therebetween, forming a seamless accumulation of said panels.

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- 26. The roofing system as in claim 19 wherein said roof has panel seams which are staggered by using alternate whole panels as well as half panels upon said roof.
- 27. The roofing system as in claim 19 wherein said plurality of panels includes an edging bridging a wall under said roof, a support beam supporting said panels, and said panels.

CERTIFICATE OF FAX TRANSMISSION

I hereby certify that this correspondence is being deposited by fax to 571-273-8300 on the date indicated below.

Date: October 14, 2005